



451370

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

RC-1A

Gen

TRIS

TSD

PAR-1  
non 1GW  
3-13-85  
MedHUKILL CHEMICAL CORPORATION  
OHD 001-926-740

Hukill Chemical Corporation is located in the Krick Road Industrial Park, near the southern boundary of the City of Bedford, Cuyahoga County, Ohio. Hukill's property is adjacent to the former "S.K. Wellman Lake", whose dam was removed and now consists of the old lake bed and a small tributary to Tinkers Creek (see USGS Topo maps 31 NE & 31 SE, copies attached). West of the site is the Bedford Reservation of Cleveland's Metroparks; the bedroom community of Walton Hills is southwest of Hukill, and a mixture of business, industry, and urban residences make up the remainder of the surrounding area.

Hukill was included in the 1979 Eckhardt Survey and was reported by Mobil Chemical Company (CERCLA 103(c) Notification, June 9, 1981), as the location where their organic wastes were reprocessed or recycled. Ohio EPA and U.S. EPA have a history of involvement at Hukill Chemical that began approximately 1973, according to Division of Industrial Wastewater (DIWW) correspondence (on file at NEDO, IWW, July 24, 1973 Complaint Investigation). In May 1977, Hukill's first NPDES Permit was issued but, due to violations of their effluent limitations, the company received an OEPA Director's Findings and Orders in September 1979. (Copy in NPDES file, Volume I) U.S. EPA, in an effort to coordinate their enforcement activities with OEPA, described the results of a July 1979 inspection and sampling survey at Hukill in a December 1979 report to the OEPA Director. The problem areas outlined by U.S. EPA, also considered in the OEPA Findings and Orders, were the focus of Hukill's clean-up activities for several years.

Some of the "problem areas" were eventually incorporated into Hukill's RCRA Permits (drum storage, tank farms, etc.). The first RCRA inspection conducted by OEPA took place April 29, 1981, subsequent to Hukill's application for RCRA Part A Interim Status (November 6, 1980). Hukill's RCRA history is best summarized in a U.S. EPA Findings of Violation and Compliance Order, dated December 27, 1984, a copy of which is on file at the Northeast District Office.

Hazards to the surrounding environment and population from Hukill's current operation alone indicate low potentials for contamination. Ground water contamination is considered unlikely at this site based upon investigation by OEPA Geologists of the local geology and hydrology (Erieway Pollution Control; Shaefer, November '73 & Khoury, November '79) Hukill correspondence, August 11, 1980). Surface water (unnamed tributary to Tinkers Creek) contamination has been investigated by the Division of Water Quality and Assessment, who collected samples of water upstream, downstream, and Hukill's effluent for bioassay (January 1983 and April 1984). The downstream sample, which combined storm sewer flow and effluent indicated the contribution of some contamination to the stream (1983 Report #82-252-NE). However, the bioassay run on Hukill's effluent only did not

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indicate toxicity either to fish or daphnia (DWQMA files, telecon Preliminary Results on April 24, 1984 sample). Spills and/or runoff are other possible routes for surface water contamination but improvements were made to contain spills as a result of the 1979 Findings and Orders and Hukill revised their SPCC Plan as of July 1980. (NPDES file Volume II). Contamination of the lake bed sediments may have occurred from past discharge/disposal practices as observed in April 1979. Leaking drums, spills, contaminated runoff, have been observed at different times at Hukill.

Hukill is one of several companies on the ERRIS list that are adjacent to the former "S.K. Wellman Lake" (Erieway Pollution Control, Ben Venue Labs, S.K. Wellman, American Steel Drum). Recommendations for activities at Hukill under the 3012 Program are made with the knowledge that these sites may be inter-related. A medium priority is given for FIT/State investigation of the lake bed behind Hukill and the tributary stream of Tinkers Creek. Sediment samples and effluent/stream samples will be necessary to assess the conditions at this site.

PW:kr

January 29, 1985



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

## I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

OH | D001926740

## II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Hukill Chemical Corp.

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

7013 Krick Rd.

03 CITY

Bedford

04 STATE

OH

05 ZIP CODE

44146

06 COUNTY

Cuya hoga

07 COUNTY CODE

035

08 CONG DIST

21

09 COORDINATES LATITUDE

41° 22' 15" N

LONGITUDE

081° 31' 50" W

Northfield, OH

5E74 Cleveland 15' Quad

31 NE 31 SE

10 DIRECTIONS TO SITE (Starting from nearest public road)

In Cleveland, take I-271 to Forbes Rd. exit; west on Forbes to Jct. Rte. 8. South on Rte. 8 to west on Krick Rd., into industrial park. Follow Krick to Hukill.

## III. RESPONSIBLE PARTIES

01 OWNER (If known)

Hukill Chemical Corp.

02 STREET (Business, mailing, residential)

Same as site

03 CITY

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

216-232-9400

07 OPERATOR (If known and different from owner)

Same as site

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

13 TYPE OF OWNERSHIP (Check one)

 A. PRIVATE  B. FEDERAL:

(Agency name)

 C. STATE  D. COUNTY  E. MUNICIPAL F. OTHER:

(Specify)

 G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

 A. RCRA 3001 DATE RECEIVED: 10/25/80 MONTH DAY YEAR

(4)

 B. UNCONTROLLED WASTE SITE (CERCLA 103c) DATE RECEIVED: 6/9/81 MONTH DAY YEAR

C. NONE

## IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

BY (Check all that apply)

 A. YES DATE 12/6/84 MONTH DAY YEAR B. EPA  C. EPA CONTRACTOR D. C. STATE D. OTHER CONTRACTOR E. LOCAL HEALTH OFFICIAL  F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

03 YEARS OF OPERATION

 A. ACTIVE

1947

UNKNOWN

 B. INACTIVE

BEGINNING YEAR

ENDING YEAR

 C. UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Solvents (Toxic / Ignitable)

Acids (Corrosive)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Fire / Explosion (Population) RCRA regulated.

Surface Water &amp; Soil (Environment / Population)

## V. PRIORITY ASSESSMENT

FIT as a group.

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

 A. HIGH B. MEDIUM C. LOW D. NONE

(Inspection required promptly)

(Inspection required)

(Inspect on time available basis)

(No further action needed, complete current disposition form)

## VI. INFORMATION AVAILABLE FROM

01 CONTACT

02 OF (Agency/Organization)

03 TELEPHONE NUMBER

Gary Gifford

OEPA NEDO OSHWM

216-425-9171

04 PERSON RESPONSIBLE FOR ASSESSMENT

05 AGENCY

06 ORGANIZATION

07 TELEPHONE NUMBER

08 DATE

Pam Wicks

OEPA

NEDO OSHWM

216-425-9171

1-19-85  
MONTH DAY YEAR



**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 2 - WASTE INFORMATION**

## I. IDENTIFICATION

01 STATE | 02 SITE NUMBER

OH 0001926740

## **II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS**

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| 01 PHYSICAL STATES (Check all that apply)  |  | 02 WASTE QUANTITY AT SITE  |  | 03 WASTE CHARACTERISTICS (Check all that apply)  |  |  |  |
| <input checked="" type="checkbox"/> A. SOLID <input checked="" type="checkbox"/> E. SLURRY<br><input type="checkbox"/> B. POWDER, FINES <input type="checkbox"/> F. LIQUID<br><input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> G. GAS<br><input type="checkbox"/> D. OTHER _____ |  | <small>(Measures of waste quantities must be independent)</small><br>TCNS _____<br>CUBIC YARDS _____<br>NO. OF DRUMS <u>UK</u> |  | <input checked="" type="checkbox"/> A. TOXIC <input checked="" type="checkbox"/> E. SOLUBLE<br><input checked="" type="checkbox"/> B. CORROSIVE <input checked="" type="checkbox"/> F. INFECTIOUS<br><input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> G. FLAMMABLE<br><input type="checkbox"/> D. PERSISTENT <input checked="" type="checkbox"/> H. IGNITABLE<br><input type="checkbox"/> I. HIGHLY VOLATILE<br><input type="checkbox"/> J. EXPLOSIVE<br><input type="checkbox"/> K. REACTIVE<br><input type="checkbox"/> L. INCOMPATIBLE<br><input type="checkbox"/> M. NOT APPLICABLE |  |  |  |

### III. WASTE TYPE

| CATEGORY | SUBSTANCE NAME          | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS   |
|----------|-------------------------|-----------------|--------------------|---|
| SLU      | SLUDGE                  |                 |                    |   |
| OLW      | OILY WASTE              |                 |                    |   |
| SOL      | SOLVENTS                | UK              | Gallons            | They recycle solvent portion; recycle & disposal of bottoms/sludge (off site) |
| PSD      | PESTICIDES              |                 |                    |   |
| OCC      | OTHER ORGANIC CHEMICALS |                 |                    |   |
| IOC      | INORGANIC CHEMICALS     |                 |                    |   |
| ACD      | ACIDS                   | 1982            | 204                | Tons  |
| BAS      | BASES                   |                 |                    |   |
| MES      | HEAVY METALS            |                 |                    |   |

**IV. HAZARDOUS SUBSTANCES** (See Appendix for most frequently cited CAS Numbers)

#### V. FEEDSTOCKS (See Appendix for CAS Numbers)

| CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER |
|----------|-------------------|---------------|----------|-------------------|---------------|
| FDS      |                   |               | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |
| FDS      |                   |               | FDS      |                   |               |

## **VI. SOURCES OF INFORMATION** (cite specific references, e.g., state files, sample analysis, reports)

Solid Waste file - 1980 P.A., Director's Findings & Orders 9/26/79, letter re: 7/30/80 meeting.  
Hazardous Waste file - USEPA Finding of Violations & Compliance Order 12/27/84. Permit  
Copies both Part A & Part B, Original Notification Correspondence 1980-1984.  
NPDES file Vol. I - 12/79 USEPA report on July 1979 Inspection; IOC 7/6/79 Observed violations.  
NPDES file Vol. II - Bioassay report # 82-252-NE, Prelim. results over phone for



## POTENTIAL HAZARDOUS WASTE SITE

## PRELIMINARY ASSESSMENT

## PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

## I. IDENTIFICATION

01 STATE OH

02 SITE NUMBER D001-926-740

## II. HAZARDOUS CONDITIONS AND INCIDENTS

01  A. GROUNDWATER CONTAMINATION02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

OEPA Geologists conducted hydrologic survey for this site & determined that groundwater contamination was unlikely (NPDES file Vol. II, 8/11/80) from Hukill's tank farm. Spill prevention plan addressed past problems; would pose larger threat to surface H<sub>2</sub>O from runoff before discharges and spill were changed.

01  B. SURFACE WATER CONTAMINATION02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: &gt;100

04 NARRATIVE DESCRIPTION

Current discharge from outfall 001-mostly storm water runoff to small tributary to Tinkers Creek. Bioassays of effluent (4/84) and upstream/downstream (1/10/83) do not indicate toxic loadings from Hukill specifically. Other storm drains & outfalls in same area may create an overall impact below old dam & lake bed. Awaiting DQOMA analyses Oct. 1984

01  C. CONTAMINATION OF AIR02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Air Permit - Yes per 1980 P.A.

01  D. FIRE/EXPLOSIVE CONDITIONS02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

RCRA Permit regulates on-site storage of drummed solvents awaiting recycling. Some flammable, some not.

01  E. DIRECT CONTACT02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Although access limited by land ownership, the pond sediments behind Hukill may have accumulated hazardous substances over time, even while the lake was still in existence.

01  F. CONTAMINATION OF SOIL

1-2

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 AREA POTENTIALLY AFFECTED: 1 acre(s)

04 NARRATIVE DESCRIPTION

Contaminated soil, due to spillage of wastes, was removed around drum storage area. (OEPA to Hukill, 8/11/80 letter). The sediments remaining after lake was drained may be contaminated.

01  G. DRINKING WATER CONTAMINATION02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Residents of Bedford & general area use municipal water from Cleveland - Lake Erie Intake.

01  H. WORKER EXPOSURE/INJURY

&lt;50

02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

Workers handle acids & solvents, so must be protected from exposure. 12/6/84 RCRA Inspection - Hukill in compliance with Personnel Training & Safety Requirements - Generator.

01  I. POPULATION EXPOSURE/INJURY02  OBSERVED (DATE: \_\_\_\_\_) POTENTIAL ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

None known or documented in files.

POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

## PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

## I. IDENTIFICATION

01 STATE OH 02 SITE NUMBER D00192640

## II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01  J. DAMAGE TO FLORA

04 NARRATIVE DESCRIPTION

dead vegetation/trees along bank of the former Skewellman Lake on north side of Hukill. From discharge practices at that time.

01  K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (Include names of species)

Stream sampling of the tributary has shown some toxicity to D. Polax and fathead minnows but not specifically due to Hukill - Could be a combined effect from total runoff & outfalls in the area.

01  L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

None can be assumed; water eventually reaches larger rivers but affects are not documented on edible species.

01  M. UNSTABLE CONTAINMENT OF WASTES

(Spills/unoff-stacking hours/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: UK

02  OBSERVED (DATE: 2/9/79)  POTENTIAL  ALLEGED

04 NARRATIVE DESCRIPTION

Observed problems have made improvements since 1979. These past problems may have allowed contaminants into lake bed - sediment accumulation.

01  N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

No, unless past discharges, etc. to Skewellman Lake count.

01  O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: )  POTENTIAL  ALLEGED

Storm sewer upstream from Hukill, none below.

01  P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02  OBSERVED (DATE: 6/18/79)  POTENTIAL  ALLEGED

Outfalls were discharging wastes not allowed on NPDES Permit.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: Recreational use w/in 2 miles - Estimate?

## IV. COMMENTS

The tributary stream and lake bed need to be thoroughly assessed for hazardous substances from all surrounding facilities. All may have some effect on water quality, must consider group.

V. SOURCES OF INFORMATION (cite specific references, e.g., state laws, sample analysis, reports)

Geology Reports for Hukill vicinity (Eriway) Nov. 14, 1973 by Schaefer & Nov. 20, 1979 by Chris Khourey. Groundwater contamination potential, NPDES Vol. II file.

